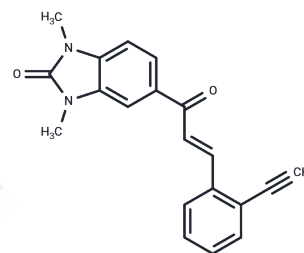


## CYP1A1-IN-1

## Chemical Properties

CAS No. :	3065926-17-9
Formula:	C <sub>20</sub> H <sub>16</sub> N <sub>2</sub> O <sub>2</sub>
Molecular Weight:	316.35
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	CYP1A1-IN-1 (Compound 47) is a small molecule inhibitor of cytochrome P450 1A1 (CYP1A1). It reduces the bacterial load of methicillin-resistant Staphylococcus aureus (MRSA) and Acinetobacter baumannii by enhancing macrophage phagocytosis. CYP1A1-IN-1 shows potential for research in sepsis caused by multi-drug resistant (MDR) bacteria.
Targets(IC50)	Antibacterial,Cytochromes P450

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1611 mL	15.8053 mL	31.6106 mL
5 mM	0.6322 mL	3.1611 mL	6.3221 mL
10 mM	0.3161 mL	1.5805 mL	3.1611 mL
50 mM	0.0632 mL	0.3161 mL	0.6322 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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